

Geotechnical Investigation Methods

Drill Rig

The standard method for geotechnical investigations, a machine is used to drill below the ground surface to determine the presence of rock. This process involves drilling a hole roughly 4 inches in diameter and upward of 20 feet deep.



Hand Auger

In areas where space is limited, this tool is used manually to determine the presence of rock. This alternative method has a depth limitation of 10 feet.



5100 Brookshire Boulevard
Charlotte, NC 28216

Field Work Continues in your Area



Wastewater
Improvement Project

OCTOBER 2020





October 1, 2020

SUBJECT: Field Work for the Wastewater System in your Area
(McMullen Creek Tributary to Quail Hollow Wastewater System Improvements Project)

Dear Customer:

Charlotte Water is continuing to conduct field investigation work in your area to evaluate the condition of the wastewater system and identify potential improvements that will enhance the future water system in our community.

Beginning in mid-October, subcontractors for Charlotte Water will begin surveying and conducting field work along McMullen Creek on the southeast side of Quail Hollow Club behind Heydon Hall Circle. Subconsultants include Gavel & Dorn Engineering, Atlantic Coast Contractors, Landtec, On-Spec Engineering, Metro Drill, Inc., Carolinas Wetlands Services and Taylor Wiseman & Taylor.

This letter is to notify you that crews may be working near your property on one or more occasions to identify various underground utilities and the general terrain. Their activities should not inconvenience you in any way and all field crew are instructed to wear identifying clothing, i.e., company logo or a safety vest, to identify themselves. Please note that crews do not need to access your residence and do not expect any disruption to water service.

In addition to field personnel, residents could see minor clearing activities along McMullen Creek, survey stakes/flags, paint markings on the ground and machinery used for geotechnical borings. These borings involve using a hand auger or a truck-mounted drill rig to drill a hole roughly 4 inches in diameter and upward of 20 feet deep to determine the presence of rock. We ask that residents do not remove the survey stakes and flags as they are critical to completing the design of this project.

This work is expected to begin in mid-October and take about four to six weeks to complete. Additional project information can be found on the project webpage at www.charlottewater.org. Click on "projects" then "construction."

Should you have questions about this work or the project, please contact me at 704-336-1063, irene.okioga@charlottenc.gov.

Thank you,

A handwritten signature in black ink, appearing to read "Irene (Tesda) Okioga".

Dr. Irene (Tesda) Okioga, P.E., PhD
Project Manager, Charlotte Water